IN THE CLAIMS

Applicant provides the following complete listing of all the claims in the application that shows the status of all pending claims and markings to show current changes:

1. (Currently Amended) An apparatus for use in controlling and ~~and/or~~ testing an underwater hydrocarbon production system, the apparatus comprising:

a plurality of well trees;

a manifold; ~~and~~

a unitary control center located subsea and spaced apart from the manifold and each of the plurality of trees, the unitary control center being in communication with the plurality of trees through a plurality of tree conduits extending therefrom; and

a ~~plurality of~~ tree control module located ~~modules for controlling the well trees, wherein:~~

~~the control modules are provided, neither at the trees nor mounted on the manifold, but~~ at [[a]] the unitary control centre ~~for location underwater~~, the tree control module being in communication with the trees through the control centre and the tree conduits so that the tree control module controls operations of the trees ~~trees being in communication with associated ones of the control modules in use of the apparatus~~.

2. (Canceled)

3. (Currently Amended) The apparatus according to claim 1 [[2]], further comprising an umbilical termination assembly disposed at an end of an umbilical extending from the surface, the umbilical termination assembly connecting to the unitary control center ~~wherein said~~

~~coupling means comprises termination means for location underwater~~ for supplying control signals from a ~~said~~ remote control location to the tree control module ~~said control modules~~.

4. (Currently Amended) The apparatus according to claim 1, wherein the manifold is in communication with the trees ~~in use of the apparatus for controlling hydrocarbon extraction, there being a control module for controlling the manifold, which module is provided, not at the manifold, but at said control centre~~.

5. (New) The apparatus according to claim 3, further comprising a single communication line bundle extending from the umbilical termination assembly to the unitary control centre.

6. (New) The apparatus according to claim 1, further comprising:

a manifold conduit extending from the unitary control centre to the manifold; and

a manifold control module located at the unitary control centre, the manifold control module being in communication with the manifold through the unitary control centre and the manifold conduit so that the manifold control module controls operations of the manifold.

7. (New) The apparatus according to claim 6, further comprising an umbilical termination assembly disposed at an end of an umbilical extending from the surface, the umbilical termination assembly connecting to the unitary control center for supplying control signals from a remote control location to the tree control module and the manifold control module.

8. (New) The apparatus according to claim 7, further comprising a single communication line bundle extending from the umbilical termination assembly to the unitary control centre.

9. (New) An apparatus for use in controlling and testing an underwater hydrocarbon production system, the apparatus comprising:

a plurality of well trees;

a manifold;

a unitary control center located subsea and spaced apart from the manifold and each of the plurality of trees, the unitary control center being in communication with the plurality of trees through tree conduits extending therefrom, the unitary control center being in communication with the manifold through a manifold conduit extending therefrom;

a tree control module located at the unitary control centre, the tree control module being in communication with the trees through the control centre and the tree conduits so that the tree control module controls operations of the trees; and

a manifold control module located at the unitary control centre, the manifold control module being in communication with the manifold through the unitary control centre and the manifold conduit so that the manifold control module controls operations of the manifold.

10. (New) The apparatus according to claim 9, further comprising an umbilical termination assembly disposed at an end of an umbilical extending from the surface, the umbilical termination assembly connecting to the unitary control center for supplying control signals from a remote control location to the tree control module.

11. (New) The apparatus according to claim 10, further comprising a single communication line bundle extending from the umbilical termination assembly to the unitary control centre.

12. (New) The apparatus according to claim 9, wherein the manifold is in communication with the trees.

13. (New) The apparatus according to claim 9, further comprising an umbilical termination assembly disposed at an end of an umbilical extending from the surface, the umbilical termination assembly connecting to the unitary control center for supplying control signals from a remote control location to the tree control module and the manifold control module.

14. (New) The apparatus according to claim 13, further comprising a single communication line bundle extending from the umbilical termination assembly to the unitary control centre.

15. (New) An apparatus for use in controlling and testing an underwater hydrocarbon production system, the apparatus comprising:

a plurality of well trees;

a manifold;

a unitary control center located subsea and spaced apart from the manifold and each of the plurality of trees, the unitary control center being in communication with the plurality of trees through tree conduits extending therefrom, the unitary control center being in communication with the manifold through a manifold conduit extending therefrom;

a tree control module located at the unitary control centre, the tree control module being in communication with the trees through the control centre and the tree conduits so that the tree control module controls operations of the trees;

a manifold control module located at the unitary control centre, the manifold control module being in communication with the manifold through the unitary control centre and the manifold conduit so that the manifold control module controls operations of the manifold; and

an umbilical termination assembly disposed at an end of an umbilical extending from the surface, the umbilical termination assembly connecting to the unitary control center for supplying control signals from a remote control location to the tree control module and the manifold control module.

16. (New) The apparatus according to claim 15, further comprising a single communication line bundle extending from the umbilical termination assembly to the unitary control centre.